

Experiment Number: 871929

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Tribromomethane

CAS Number: 75-25-2

Date Report Requested: 09/16/2018

Time Report Requested: 16:35:55

NTP Study Number:

871929

Study Result:

Equivocal

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	114 ± 7.3	100 ± 4.9	104 ± 10.7	130 ± 6.0	128 ± 9.7
10.0		122 ± 10.8			
33.0	89 ± 12.7	118 ± 10.1	107 ± 3.2		125 ± 4.0
100.0	87 ± 3.3	90 ± 5.5	112 ± 10.2	135 ± 4.6	140 ± 14.5
333.0	99 ± 2.2	122 ± 14.4	116 ± 3.2	145 ± 11.4	140 ± 13.0
1000.0	66 ± 2.6	76 ± 1.8	130 ± 11.0	114 ± 12.3	139 ± 8.1
1666.0	0 ± 0.0 ^s				
3333.0			92 ± 4.3	90 ± 9.6	122 ± 5.0
6666.0				66 ± 1.7 ^s	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					458 ± 84.4
Positive Control ³			339 ± 69.0	413 ± 11.3	
Positive Control ⁴	530 ± 25.2	497 ± 38.9			

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	121 ± 9.0
10.0	
33.0	
100.0	128 ± 15.9
333.0	127 ± 5.2
1000.0	122 ± 9.7
1666.0	
3333.0	112 ± 8.4
6666.0	110 ± 10.0 ^s
Trial Summary	Negative
Positive Control ²	
Positive Control ³	238 ± 17.8
Positive Control ⁴	

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Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	13 ± 3.2	21 ± 2.0	10 ± 1.5	12 ± 2.3	12 ± 2.0
10.0		20 ± 2.3			
33.0	17 ± 2.3	23 ± 3.5	8 ± 0.3		9 ± 0.6
100.0	24 ± 2.6	22 ± 2.5	8 ± 2.5	17 ± 1.0	10 ± 0.3
333.0	11 ± 4.7	18 ± 1.5	11 ± 1.5	12 ± 2.6	13 ± 1.5
1000.0	10 ± 2.7	14 ± 1.5	6 ± 0.6	15 ± 0.7	13 ± 1.0
1666.0	2 ± 1.5 ^s				
3333.0			8 ± 1.2	13 ± 2.3	9 ± 0.6
6666.0				12 ± 1.9 ^s	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³					168 ± 20.4
Positive Control ⁴	267 ± 4.7	332 ± 14.2			
Positive Control ⁵			198 ± 10.7	100 ± 0.9	

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Date Report Requested: 09/16/2018

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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	11 ± 2.0
10.0	
33.0	
100.0	10 ± 1.9
333.0	12 ± 0.9
1000.0	13 ± 3.7
1666.0	
3333.0	13 ± 1.5
6666.0	8 ± 0.6
Trial Summary	Negative
Positive Control ³	
Positive Control ⁴	
Positive Control ⁵	310 ± 24.2

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Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	7 ± 3.2	15 ± 2.6	9 ± 2.3	9 ± 3.1	9 ± 1.2
10.0		7 ± 2.8			
33.0	10 ± 2.9	8 ± 1.0	8 ± 0.9		9 ± 2.8
100.0	7 ± 2.0	9 ± 0.9	9 ± 1.2	7 ± 1.2	10 ± 0.9
333.0	5 ± 1.2	8 ± 0.9	7 ± 1.5	5 ± 1.2	10 ± 1.2
1000.0	7 ± 1.2	4 ± 1.5	7 ± 1.2	6 ± 1.5	8 ± 2.0
1666.0	1 ± 1.3 ^s				
3333.0			7 ± 1.3	6 ± 0.9	7 ± 0.9
6666.0				5 ± 2.7 ^s	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					50 ± 2.9
Positive Control ³			43 ± 2.8		
Positive Control ⁵				56 ± 4.2	
Positive Control ⁶	301 ± 29.2	376 ± 62.4			

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Strain: TA1537

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	13 ± 2.5
10.0	
33.0	
100.0	13 ± 0.6
333.0	10 ± 1.9
1000.0	8 ± 0.7
1666.0	
3333.0	7 ± 0.6
6666.0	11 ± 1.0 ^s
Trial Summary	Negative
Positive Control ²	
Positive Control ³	49 ± 2.8
Positive Control ⁵	
Positive Control ⁶	

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Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	132 ± 10.7	157 ± 13.8	140 ± 1.8	194 ± 35.3	152 ± 4.1
10.0		155 ± 9.0			
33.0	147 ± 4.5	164 ± 12.8	168 ± 13.8		202 ± 3.7
100.0	132 ± 8.6	180 ± 8.7	175 ± 11.5	205 ± 6.4	191 ± 3.2
333.0	149 ± 2.0	175 ± 5.9	191 ± 2.1	213 ± 8.3	199 ± 4.0
1000.0	107 ± 0.9	165 ± 5.0	182 ± 11.1	179 ± 16.2	209 ± 0.9
1666.0	7 ± 7.3 ^s				
3333.0			191 ± 11.2	184 ± 11.0 ^s	177 ± 14.1
6666.0				103 ± 51.7 ^s	
Trial Summary	Negative	Negative	Equivocal	Negative	Equivocal
Positive Control ²					613 ± 20.5
Positive Control ³			498 ± 3.9		
Positive Control ⁵				440 ± 6.9	
Positive Control ⁶	499 ± 49.7	986 ± 88.5			

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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	166 ± 15.3
10.0	
33.0	
100.0	175 ± 3.8
333.0	212 ± 7.1
1000.0	196 ± 16.3
1666.0	
3333.0	195 ± 4.1
6666.0	192 ± 17.7 ^s
Trial Summary	Equivocal
Positive Control ²	
Positive Control ³	396 ± 6.8
Positive Control ⁵	
Positive Control ⁶	

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 5% Hamster S9
Vehicle Control ¹	26 ± 0.7	23 ± 2.0	29 ± 2.3	38 ± 3.5	33 ± 4.5
10.0		17 ± 0.3			
33.0	22 ± 1.7	19 ± 0.9	32 ± 1.0		
100.0	23 ± 3.6	19 ± 2.9	31 ± 2.9	30 ± 4.5	38 ± 5.2
333.0	19 ± 2.0	20 ± 3.4	27 ± 1.5	33 ± 3.3	35 ± 1.2
1000.0	12 ± 2.4	11 ± 1.3	34 ± 1.0	33 ± 6.4	32 ± 3.5
1666.0	Toxic				
3333.0			18 ± 4.2 ^s	33 ± 3.5	44 ± 3.0
6666.0				20 ± 0.0 ^s	29 ± 1.3 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					
Positive Control ³			318 ± 33.8	64 ± 2.0	729 ± 26.5
Positive Control ⁷	449 ± 16.4	675 ± 40.9			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9	With 10% Hamster S9	With 30% Hamster S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	29 ± 0.3	32 ± 0.9	26 ± 1.5	22 ± 3.3	33 ± 4.6
10.0					29 ± 4.3
33.0	32 ± 2.6				25 ± 2.8
100.0	34 ± 7.5	29 ± 2.1	32 ± 4.1	39 ± 0.3	25 ± 4.0
333.0	30 ± 6.7	38 ± 1.0	33 ± 1.5	40 ± 1.9	29 ± 3.5
1000.0	37 ± 2.8	34 ± 3.3	39 ± 6.1	41 ± 4.2	30 ± 1.7
1666.0					34 ± 2.2
3333.0	31 ± 5.2	40 ± 2.0	50 ± 3.1	40 ± 4.0	33 ± 1.5
6666.0		27 ± 4.5 ^s	51 ± 7.3 ^s	49 ± 2.2 ^s	29 ± 2.5 ^s
Trial Summary	Negative	Negative	Equivocal	Equivocal	Negative
Positive Control ²	384 ± 45.2				
Positive Control ³		381 ± 24.7	69 ± 3.9	284 ± 5.2	233 ± 30.5
Positive Control ⁷					

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LEGEND

Values given as Mean or Mean \pm Standard Error Mean

The number of samples = 3, unless samples marked toxic or contaminated were excluded from mean and SEM calculations

CAS Number = Chemical Abstracts Service registry number

1: Vehicle Control: Dimethyl Sulfoxide

2: 0.5 ug/Plate 2-Aminoanthracene

3: 1.0 ug/Plate 2-Aminoanthracene

4: 1.0 ug/Plate Sodium Azide

5: 2.5 ug/Plate 2-Aminoanthracene

6: 50.0 ug/Plate 9-Aminoacridine

7: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**** END OF REPORT ****